

CURRICULUM VITAE May 23, 2022

Name: Li-Min Ting
3720 Spectrum Blvd IDRB 404, Tampa FL 33612
Phone: 813-974-7811
E-mail: liminting@usf.edu

EDUCATION

University of Rochester, Rochester, New York. Ph.D., Microbiology and Immunology, 1995.
University of Rochester, Rochester, New York. M.S., Microbiology and Immunology, 1991.
National Taiwan University, Taipei, Taiwan. Bachelor of Veterinary Medicine, 1988.

RESEARCH EXPERIENCE

University of South Florida, Tampa, Florida.
04/18-Present. Assistant Professor, Laboratory of Dr. Kami Kim, Department of Internal Medicine.

Albert Einstein College of Medicine of Yeshiva University, Bronx, New York.
07/11-03/18. Principal Associate, Laboratory of Dr. Kami Kim, Department of Medicine.

Albert Einstein College of Medicine of Yeshiva University, Bronx, New York.
07/01-06/11. Associate, Laboratory of Dr. Kami Kim, Department of Medicine.

University of California, San Francisco, California,
11/95-02/00. Postdoctoral Researcher, Laboratory of Dr. Joel Ernst, Department of Medicine.

University of Rochester, Rochester, New York.
09/90-07/95. Graduate Student, Department of Microbiology and Immunology.
Ph.D. Thesis Advisor: Dr. Patrik Bavoil
Ph.D. Thesis: Determinants of Chlamydial Adherence to Eukaryotic Cells.

PUBLICATIONS

Francia ME, Bhavsar S, **Ting LM**, Croken MM, Kim K, Dubremetz JF, Striepen B. A Homolog of Structural Maintenance of Chromosome 1 Is a Persistent Centromeric Protein Which Associates With Nuclear Pore Components in *Toxoplasma gondii*. *Front Cell Infect Microbiol*. 2020 Jul 2;10:295.

Vera IM, Kessler A, **Ting LM**, Harawa V, Keller T, Allen D, Njie M, Moss M, Soko M, Ahmadu A, Kadwala I, Ray S, Nyirenda TS, Mandala WL, Taylor TE, Rogerson SJ, Seydel KB, Kim K. Plasma cell-free DNA predicts pediatric cerebral malaria severity. *JCI Insight*. 2020 Jun 18;5(12):e136279.

El Bissati K, Redel H, **Ting LM**, Lykins JD, McPhillie MJ, Upadhya R, Woster PM, Yarlett N, Kim K, Weiss LM. Novel Synthetic Polyamines Have Potent Antimalarial Activities in vitro and in vivo by Decreasing Intracellular Spermidine and Spermine Concentrations. *Front Cell Infect Microbiol*. 2019 Feb 14;9:9.

Ames RY, **Ting LM**, Gendlina I, Kim K, Macian F. The Transcription Factor NFAT1 Participates in the Induction of CD4+ T Cell Functional Exhaustion during *Plasmodium yoelii* Infection. *Infect Immun*. 2017 Aug;85(9):e00364-17.

Naumov A, Kratzer S, **Ting LM**, Kim K, Suvorova ES, White MW. The Toxoplasma Centrocone Houses Cell Cycle Regulatory Factors. *MBio*. 2017 Aug;8(4):e00579-17.

Miley GP, Pou S, Winter R, Nilsen A, Li Y, Kelly JX, Stickles AM, Mather MW, Forquer IP, Pershing AM, White K, Shackleford D, Saunders J, Chen G, **Ting LM**, Kim K, Zakharov LN, Donini C, Burrows JN, Vaidya AB, Charman SA, Riscoe MK. ELQ-300 prodrugs for enhanced delivery and single-dose cure of malaria. *Antimicrob Agents Chemother*. 2015 Sep;59(9):5555-60.

Stickles AM, **Ting LM**, Morrissey JM, Li Y, Mather MW, Meermeier E, Pershing AM, Forquer IP, Miley GP, Pou S, Winter RW, Hinrichs DJ, Kelly JX, Kim K, Vaidya AB, Riscoe MK, Nilsen A. Inhibition of Cytochrome bc1 as a Strategy for Single-Dose, Multi-Stage Antimalarial Therapy. *Am J Trop Med Hyg*. 2015 Jun;92(6):1195-201.

Nardelli SC, **Ting LM**, Kim K. Techniques to study epigenetic control and the epigenome in parasites. *Methods Mol Biol*. 2015;1201:177-91

Donaldson TM, **Ting LM**, Zhan C, Shi W, Zheng R, Almo SC, Kim K. Structural determinants of the 5'-methylthioinosine specificity of Plasmodium purine nucleoside phosphorylase. *PLoS One*. 2014 Jan 8;9(1):e84384.

Wang J, Dixon SE, **Ting LM**, Liu TK, Jeffers V, Croken MM, Calloway M, Cannella D, Hakimi MA, Kim K, Sullivan WJ Jr. Lysine acetyltransferase GCN5b interacts with AP2 factors and is required for Toxoplasma gondii proliferation. *PLoS Pathog*. 2014 Jan;10(1):e1003830.

Suvorova ES, Radke JB, **Ting LM**, Vinayak S, Alvarez CA, Kratzer S, Kim K, Striepen B, White MW. A nucleolar AAA-NTPase is required for parasite division. *Mol Microbiol*. 2013 Oct;90(2):338-55.

Suvorova ES, Croken M, Kratzer S, **Ting LM**, de Felipe MC, Balu B, Markillie ML, Weiss LM, Kim K, White MW. Discovery of a splicing regulator required for cell cycle progression. *PLoS Genet*. 2013 Feb;9(2):e1003305.

Compton scattering by internal shields based on melanin-containing mushrooms provides
Revskeya E, Chu P, Howell RC, Schweitzer AD, Bryan RA, Harris M, Gerfen G, Jiang Z, Jandl T, Kim K, **Ting LM**, Sellers RS, Dadachova E, Casadevall A. protection of gastrointestinal tract from ionizing radiation. *Cancer Biother Radiopharm*. 2012 Nov;27(9):570-6.

Subach OM, Patterson GH, **Ting LM**, Wang Y, Condeelis JS, Verkhusha VV. *Nat Methods*. A photoswitchable orange-to-far-red fluorescent protein, PSmOrange. 2011 Jul 31;8(9):771-7.

Filonov GS, Piatkevich KD, Ting LM, Zhang J, Kim K, Verkhusha VV. Bright and stable near-infrared fluorescent protein for in vivo imaging. *Nat Biotechnol*. 2011 Jul;29(8):757-61.

Mwakingwe A, **Ting LM**, Hochman S, Chen J, Sinnis P, Kim K. Noninvasive real-time monitoring of liver-stage development of bioluminescent Plasmodium parasites. *J Infect Dis*. 2009 Nov 1;200(9):1470-8.

Ho MC, Cassera MB, Madrid DC, **Ting LM**, Tyler PC, Kim K, Almo SC, Schramm

- VL. Structural and metabolic specificity of methylthioformycin for malarial adenosine deaminases. *Biochemistry*. 2009 Oct 13;48(40):9618-26.
- Madrid DC, **Ting LM**, Waller KL, Schramm VL, Kim K. *Plasmodium falciparum* purine nucleoside phosphorylase is critical for viability of malaria parasites. *J Biol Chem*. 2008 Dec 19;283(51):35899-907.
- Ting LM**, Gissot M, Coppi A, Sinnis P, Kim K. Attenuated *Plasmodium yoelii* lacking purine nucleoside phosphorylase confer protective immunity. *Nat Med*. 2008 Sep;14(9):954-8.
- Gissot M, **Ting LM**, Daly TM, Bergman LW, Sinnis P, Kim K.. High mobility group protein HMGB2 is a critical regulator of plasmodium oocyst development. *J Biol Chem*. 2008 Jun 20;283(25):17030-8.
- Chaudhary K., **Ting LM**, Kim K, Roos D.S.. *Toxoplasma gondii* purine nucleoside phosphorylase biochemical characterization, inhibitor profiles, and comparison with the *Plasmodium falciparum* ortholog. 2006. *J. Biol Chem*. 281(35):25652-8.
- Jongco A.M., **Ting LM**, Thathy V., Mota M.M., Kami K.. 2006. Improved transfection and new selectable markers for the rodent malaria parasite *Plasmodium yoelii*. *Mol. Biochem. Parasitol*. 146(2):242-50.
- Lewandowicz A., Ringia E.A., **Ting LM**, Kim K., Tyler P.C., Evans G.B., Zubkova O.V., Mee S., Painter G.F., Lenz D.H., Furneaux R.H., Schramm V.L.. 2005. Energetic mapping of transition state analogue interactions with human and *Plasmodium falciparum* purine nucleoside phosphorylases. *J. Biol. Chem*. 280(34):30320-8.
- Ting LM**, Shi W., Lewandowicz A., Singh V., Mwakingwe A., Birck M.R., Ringia E.A., Bench G., Madrid D.C., Tyler P.C., Evans G.B., Furneaux R.H., Schramm V.L., Kim K.. 2005. Targeting a novel *Plasmodium falciparum* purine recycling pathway with specific immucillins. *J. Biol. Chem*. 280(10):9547-54.
- Shi W., **Ting LM**, Kicska G.A., Lewandowicz A., Tyler P.C., Evans G.B., Furneaux R.H., Kim K., Almo S.C., Schramm V.L.. 2004. *Plasmodium falciparum* purine nucleoside phosphorylase: crystal structures, immucillin inhibitors, and dual catalytic function. *J. Biol. Chem*. 279(18):18103-6.
- Kicska, G.A, **Ting, LM**, Schramm, V.L., and Kim, K.. 2003. Effect of dietary p-aminobenzoic acid on murine *Plasmodium yoelii* infection. *J. Infec. Dis*. 188:1776-81.
- Nagabhushanam, V., Solache, A., **Ting, LM**, Escaron, C.J., Zhang, Y., and Ernst, J.D.. 2003. Innate inhibition of adaptive immunity: *Mycobacterium tuberculosis*-induced IL-6 inhibits macrophage responses to IFN-gamma. *J. Immunol*. 171:4750-7.
- Sonda, S., **Ting, LM**, Novak, S., Kim, K., Maher, J.J., Farese, R.V., Jr., and Ernst, J.D.. 2001. Cholesterol esterification by host and parasite is essential for optimal proliferation of *Toxoplasma gondii*. *J. Biol. Chem*. 276: 34434-34440.
- Hsia, R.-c., **Ting, LM**, and Bavoiil, P.M.. 2000. Microvirus of *Chlamydia psittaci* strain guinea pig inclusion conjunctivitis: isolation and molecular characterization. *Microbiology* 146:1651-60.

Ting, LM, Kim, A.C., Cattamanchi, A., and Ernst, J.D.. 1999. *Mycobacterium tuberculosis* inhibits interferon gamma transcriptional responses without inhibiting activation of STAT1. J. Immunol. 163:3898-3906.

Ting, LM, Hsia, R.-c., Haidaris, C.G. , and Bavoil, P.M.. 1995. Interaction of outer envelope proteins of *Chlamydia psittaci* GPIC with the HeLa cell surface. Infect. Immun. 63:3600-3608.